

MODELS: Pratt & Whitney Wasp SC & SC-1

1.C. NUMBER: ATC 58

Model	Wasp SC-1 and SC
Type	9RA
Rating:	
Maximum continuous, hp, rpm, in.Hg., at:	
Critical altitude (ft.)	450-2100-30-6000
S.L. pressure altitude	442-2100-30-1/2-S.L.
Take-off (one minute), hp, rpm, in.Hg.	450-2100-31 450-2000-32 450-1850-34
Fuel (minimum octane aviation gasoline)	80 (See NOTES 1 and 3)
Bore and stroke, in.	5.75 x 5.75
Displacement, cu. in.	1344
Compression ratio	5.25:1
Weight (dry), lbs.	745
Supercharging (impeller gear ratio)	10:1
Carburetion	Stromberg NAY-7B carburetor with 2-1/8 in. venturi
Ignition, dual	Scintilla VAG-9D magnetos
Certification basis	Approved Type Certificate No. 58

NOTE 1. This engine may also be used with 73 octane fuel provided two throttle stops are installed and used in accordance with manufacturer's approved instructions; the first, to limit the engine to 1900 rpm in level flight at S.L. and to be used between S.L. and 3000 ft.; the second, to limit the engine to 2000 rpm at 3000 ft. and to be used between 3000 ft. and 6000 ft.

NOTE 2. Wasp B engines with serial numbers X6, X7, X8, 216B, 219B, 221B, 223B and 232B which have been converted to conform to SC1 specifications are also eligible.

NOTE 3. Engine No. 2849, using 85 octane fuel, eligible with 6.25:1 compression ratio and critical altitude raised to 8000 ft. at approved rating.

NOTE 4. Approval expired 1/8/36. No engines of these models manufactured after this date or with serial numbers above 5556 eligible for use in certificated aircraft.